

WILLIAM FLOYD SCHOOL DISTRICT



# SMART SCHOOL INVESTMENT PLAN

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PHASE 4 – HIGH TECH SECURITY AND  
COMMUNICATIONS – PART 2

240 MASTIC BEACH ROAD  
MASTIC BEACH, NY 11951

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# SMART SCHOOL INVESTMENT PLAN

## PHASE 3 – COMMUNICATIONS AND HIGH-TECH SECURITY

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### OVERVIEW

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The SMART SCHOOLS BOND ACT was passed in the 2014-15 New York State-enacted budget and approved by the voters in a statewide referendum held during the 2014 General Election on Tuesday, November 4. This bond act authorized the issuance of \$2 billion of general obligation bonds to finance improved educational technology and infrastructure to improve learning and opportunity for students throughout the State.

William Floyd's portion of this funding is \$10,398,033. The bond has four areas of focus:

1. Install high-speed broadband or wireless internet connectivity for schools and communities
2. Acquire learning technology equipment or facilities
3. Pre-kindergarten programs and/or replace classroom trailers
4. Install high-tech security features in school buildings and on school campuses

In collaboration with teachers, administrators, parents, and community members, our district has chosen to concentrate on increasing our internet connectivity, acquiring additional learning technology equipment and installing high-tech security features. ***This document provides the district's phase 4 recommendations for use of these funds for installing a high-tech integrated security platform and improving our communication system to fully integrate with all district systems.*** As required, all district plans will be presented in a public hearing followed by a 30-Day public review and comment, and ultimately, approval by the Board of Education. The plan will then be submitted to the New York State Education Department for final acceptance. School Investment Plans must meet the requirements of demonstrating a rationale for students' needs, preparing

for minimal speed requirements for connectivity, providing professional development and appropriate technical support, and long-term sustainability.

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#### RATIONALE

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The William Floyd School District is committed to providing all of our students with a high-quality education. It is our mission to achieve a learner-centered, nurturing, safe environment that empowers students and teachers with the ability and desire to thrive as life-long learners. To achieve this requires a commitment to and investment in the technologies required to improve instruction and ensure our students' and staff members' security. We are committed to the ideal that safety is paramount to successful learning environments.

Our long term strategy is multifaceted:

- Rebuild our technology infrastructure to future proof our network capacity
- ***Improve and integrate our security and communication systems***
- Increase our teacher aptitude for the integration of technology
- Improve our students' access to technology
- Develop classroom spaces that foster collaboration and critical thinking

To accomplish these long-term goals, the fourth phase of our Smart School Investment Plan will be focused on upgrading our security system by improving our current telecommunications platform. Our current systems are not fully integrated and as a result, we have limitations that have been identified by outside communications and security evaluators. While we have emergency plans and protocols in place, in the event of a serious threat on our campus, we do not have seamless communications from a variety of locales throughout the district or remotely. This limitation impedes our ability to implement a lock down or system wide alert from a multitude of input devices. We are also working to ensure our system is fully integrated with local law enforcement.

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#### PROJECT OUTLINE

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We will be installing fully integrated IP phone and communications platform throughout the district that is integrated with all of our security systems and can be leveraged by first

responders. To accomplish this we will need to run new CAT 6A Cable for each classroom. The project will include the installation of a new unified communications system with VoIP phones and upgraded Public Address (PA) system with real-time alerts, remote lockdown triggering capabilities, and emergency alerts. Another goal of this project is to build system redundancy throughout to ensure that we are flexible and prepared for any emergency situation.

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#### **PROFESSIONAL DEVELOPMENT**

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The William Floyd School District is committed to ongoing professional development for teachers, administrators and staff. This phase of our Smart School Bond is improving our security and communication systems. This work is critical to support our building staff and security personnel. All security and communication improvements will be fully supported with required professional development. In addition, we will provide building administration with detailed emergency protocols integrating the new systems into the existing emergency response manuals and yearly trainings. We will work with local law enforcement, specifically our School Resource Officers (SROs) to improve our collaboration and work to fully integrate their first responder resources with our new systems. As part of every building's yearly security training, all staff members and teachers will be made aware of new protocols and all communication features that have been put into place in their offices and classrooms.

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#### **TECHNICAL SUPPORT**

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The William Floyd Technology Department is made up of a director of information management, webmaster, network administrator/programmer, professional developer and four contracted technical support personnel. In addition the project will be supported by our facilities department. The Director of Facilities and our telephone specialist will work with the technology department to direct the roll out, provide staff training, as well support ongoing implementation. This team, with the assistance of communications

experts and our architects is well equipped to support the planning, installation, and technical troubleshooting of a new communications platform. They will work closely with all departments and buildings to ensure full integration of the system. We do anticipate additional contracted employees will be needed to address training and support of the new IP phone system, in the beginning these additional onetime costs are included in this proposal. However, ongoing support will not be an additional burden on these departments as they are currently working with all buildings and support our current communications systems.

This new communication system will replace our antiquated phone system that is past warrantee and does not have the ability to integrate with our security system for lockdowns. Our current facilities and technology department support our phones and the new IP Phone system will be supported by the same number of personnel and part of our general budget. Our Board of Education has provided ongoing support of technology innovations and security upgrades in our schools. Their support has always come with the understanding of the importance of quality technical expertise to ensure the successful deployment of any innovation.

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**BUDGET**

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The district’s plan to fund these projects is to use general budget funds and Smart Schools Bond funding to accomplish our goals.

|   | <b>Smart School<br/>Bond</b> |
|---|------------------------------|
| Total WFSD Allocation                                       | \$ 10,398,033                |
| Phase 1 - Infrastructure & Core Network                     | \$ 2,000,000                 |
| <del>Phase 2 - Network Equipment for Wireless Upgrade</del> | <del>\$ 230,016</del>        |
| Phase 3 - High-Tech Security & Cameras Part 1               | \$ 2,100,000                 |
| Phase 4 - High Tech Security & Communications Part 2        | \$ 3,000,000                 |
|   | \$ 3,298,033                 |

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**SUSTAINABILITY**

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The Board of Education of the William Floyd School District has demonstrated consistent financial support for the upgrade of our security systems throughout our district. In preparation for our Smart School Investment Plan, our district consulted with teachers, principals, security personnel, administrators, and parents to determine needs and long-term plans for technology and security. This fourth phase of our Smart School Bond project will provide us with high-tech unified communications systems to support all of our buildings. It will enable our district to centrally manage our security procedures through integrated systems. The hardware, software, and wiring proposed in this plan will integrate with each other and our existing systems. This redesign of our communications falls within our current budgetary allotment for ongoing support.